PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PA

(Chapter II of the Patent Cooperation Treaty)



(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PLB/CP/Y4200		FOR FURTHER ACTI		See Form PCT/IPEA/416		
International application No. PCT/GB2004/004141		International filing date (day 28.09.2004	/month/year)	Priority date (day/month/year) 02.10.2003		
International Patent Classific	-Non (IDC) or no	tional classification and IPC				
G01N15/06, G01N1/22	G01N21/53.	G01N21/85				
GUTN 15/00, GUTT //22	, 40					
Applicant UNIDATA EUROPE LIMITED et al.						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 						
 This REPORT consists of a total of 5 sheets, including this cover sheet. 						
This report is also accompanied by ANNEXES, comprising:						
·	D with the applicant and to the International Bureau) a total of sheets, as follows:					
a. If sent to the applicant and to the intermetrical European which have been amended and are the basis of this report sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
i e			ch this Authority cons	siders contain an amendment that goes		
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. [] (sent to the	. Collidinity a part of finding to two and number of electronic carrier(S)), Collidinity a part of the collidinity as part of the					
		bles related thereto, in col e Listing (see Section 802				
BOX 1 tolution	.9	,		•		
4. This report contains indications relating to the following items:						
⊠ Box No. I	Basis of the op	pinion				
☐ Box No. II	Priority			t and industrial applicability		
			d to novelty, inventive	e step and industrial applicability		
☐ Box No. IV	Lack of unity of	of invention	tu	tu inventive step or industrial		
⊠ Box No. V	applicability; c	itations and explanations	supporting such state	ty, inventive step or industrial ement		
☐ Box No. VI	Certain docun					
☐ Box No. VII	☐ Box No. VII Certain defects in the international application					
☐ Box No. VIII	Certain obser	vations on the internations	al application			
			Date of completion of	this report		
Date of submission of the	demand		Date of completion of	una report		
			22.09,2005			
05.05.2005			22.09.2003			
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Name and mailing address of the international preliminary examining authority:				Same Mil		
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/GB2004/004141

	Box No. I	Basis of the report			
1.	With regard	d to the language , this report is based on the international application in the language in which it was so otherwise indicated under this item.			
	This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:				
	□ pu	ernational search (under Rules 12.3 and 23.1(b)) blication of the international application (under Rule 12.4) ernational preliminary examination (under Rules 55.2 and/or 55.3)			
2.	With regar	of to the elements* of the international application, this report is based on (replacement sheets which in the total to the receiving Office in response to an invitation under Article 14 are referred to in this "originally filed" and are not annexed to this report):			
	Descriptio	n, Pages			
	1-17	as originally filed			
	Claims, N				
	1-30	as originally filed			
	Drawings				
	1/7-7/7	as originally filed			
		quence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing			
(amendments have resulted in the cancellation of:			
	□ tl	ne description, pages he claims, Nos.			
	□t	he drawings, sheets/figs he sequence listing (specify):			
	□ a	any table(s) related to sequence listing (specify):			
	had not	s report has been established as if (some of) the amendments annexed to this report and listed below been made, since they have been considered to go beyond the disclosure as filed, as indicated in the nental Box (Rule 70.2(c)).			
		the description, pages the claims, Nos.			
		the drawings, sheets/figs			
		the sequence listing (specify): any table(s) related to sequence listing (specify):			
	* If	item 4 applies, some or all of these sheets may be marked "superseded."			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/GB2004/004141

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

3,5,13,14,16,23,28,30

No: Claims

1,2,4,6-12,15,17-22,24-27,29

Inventive step (IS)

Yes: Claims

No: Claims

1-30

Industrial applicability (IA)

Yes: Claims

1-30

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

Re Item V.

- 1 The following document is referred to in this communication:
 - D1: EP-A-1 061 356 (GEN ELECTRIC) 20 December 2000 (2000-12-20)
 - D2: US-A-5 271 264 (CHANAYEM STEVE G) 21 December 1993 (1993-12-21)
 - D3: EP-A-0 618 440 (IBM) 5 October 1994 (1994-10-05)
 - D4: WO 99/64841 A (ROSE THOMAS H) 16 December 1999 (1999-12-16)
 - D5: US-A-5 471 299 (HIRST EDWIN ET AL) 28 November 1995 (1995-11-28)
 - D6: GB-A-2 340 936 (MALVERN INSTR LTD) 1 March 2000 (2000-03-01)
 - D7: US 2001/016430 A1 (NAKANO HIROYUKI ET AL) 23 August 2001 (2001-08-23)

2 INDEPENDENT CLAIM 1

- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT. Document D1 which refers to an in-line particulate detector discloses (the references in parenthesis applying to this document):
 An apparatus for detecting presence of transient particulate in gas within a duct (column 2, line 51-53 with col. 1, l. 3-18), said apparatus comprising at least one emitter of illumination selected from infra-red, ultraviolet and visible radiation capable of being projected over essentially the entire cross section of the duct (sections [0013] and [0016]) and at least one detector for detecting any sparkle of the illumination from the particulate (section [0016]).
- 3 INDEPENDENT CLAIM 22
- 3.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 22 is not new in the sense of Article 33(2) PCT. Claim 22 has essentially the same technical features as claim 1 but has the following additional technical feature:
 - detecting particulate ... above its normal zero or acceptable level.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

PCT/GB2004/004141

The additional feature is also disclosed by document D1, c.f. section [0021] of D1. Therefore the technical features of claim 22 are entirely anticipated by D1.

DEPENDENT CLAIMS 2-21, 23-30

Dependent claims 2-21, 23-30 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).